

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A tire comprising an elastomeric composition based on a diene elastomer, an inorganic filler as reinforcing filler and a coupling agent comprising a polysilylated organosilicon compound which is at least bifunctional and is grafted on to the elastomer by means of a sulphur-sulfur group having a polythiosulphenamide polythiosulfenamide function, of formula:



in which:

- A is a straight-chain or branched divalent bond group, ~~whether straight chain or branched~~, which ~~makes it possible to~~ is capable of joining the polythiosulphenamide polythiosulfenamide group to a first silicon atom of the organosilicon compound;
- x is an integer or fractional number of from 2 to 4;
- R¹ represents hydrogen, a monovalent hydrocarbon group or R²;
- R² represents the grouping:



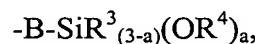
in which:

- B is a straight-chain or branched divalent bond group, ~~whether straight chain or branched~~;
- Si represents a second silicon atom of the organosilicon compound.

2. (Previously Presented) The tire according to claim 1, wherein R¹ is selected from the group consisting of hydrogen, C₁-C₈ alkyls, C₅-C₁₀ cycloalkyls, C₆-C₁₈ aryls, (C₆-C₁₈)aryl-(C₁-C₈)alkyls, and R².

3. (Previously Presented) The tire according to claim 2, wherein R¹ is selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, butyl, hexyl, benzyl, cyclohexyl, phenyl, and R².

4. (Currently Amended) The tire according to claim 1, wherein R² represents the grouping:



in which:

- R³ represents a monovalent hydrocarbon group;
- R⁴ represents hydrogen or a monovalent hydrocarbon group, which ~~may be~~ is identical to or different from R³, and
- a is an integer equal to 1, 2 or 3.

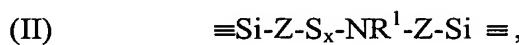
5. (Previously Presented) The tire according to claim 4, wherein the radicals R³ and R⁴ are selected from the group consisting of C₁-C₈ alkyls, C₅-C₁₀ cycloalkyls, and phenyl.

6. (Currently Amended) The tire according to claim 5, wherein the radicals R³ and R⁴ are selected from the group consisting of C₁-C₄ alkyls.

7. (Currently Amended) The tire according to claim 1, wherein A and B, which may beare identical or different, represent a hydrocarbon group consisting of carbon, hydrogen and optionally one or more heteroatoms, and comprising from 1 to 18 carbon atoms and optionally, one or more heteroatoms.

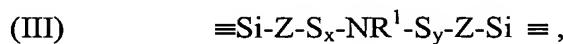
8. (Currently Amended) The tire according to claim 7, wherein A and B, which may beare identical or different, are selected from the group consisting of C₁-C₁₈ alkynes and C₆-C₁₂ arynes.

9. (Currently Amended) The tire according to claim 8, wherein the sulfur group satisfies the formula:



wherein the groupings Z, which may beare identical or different, represent a C₁-C₈ alkyne.

10. (Currently Amended) The tire according to claim 8, wherein the sulfur group satisfies the formula:



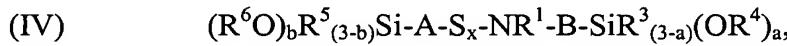
wherein the groupings Z, which may beare identical or different, represent a C₁-C₈ alkyne, and y, which may beis identical to or different from x, is an integer or fractional number from 2 to 4.

11. (Previously Presented) The tire according to claim 1, wherein the diene elastomer is selected from the group consisting of polybutadienes, synthetic polyisoprenes, natural rubber, butadiene copolymers, isoprene copolymers and mixtures of these elastomers.

12. (Currently Amended) The tire according to claim 1, wherein said composition comprises between 10 and 200 phr (parts by weight per hundred parts of elastomer) of reinforcing the inorganic filler.

13. (Previously Presented) The tire according to claim 1, wherein the quantity of coupling agent is between 1 and 20 phr.

14. (Currently Amended) The tire according to claim 1, wherein the organosilicon compound is a silane-polythiosulfenamide of formula:



in which:

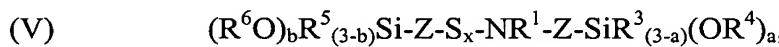
R^5 represents a monovalent hydrocarbon group;

R^6 represents hydrogen or a monovalent hydrocarbon group, which may be is identical to or different from R^5 ;

b is an integer equal to 1, 2 or 3; and

R^5 , R^6 and b possibly being are, respectively, identical to or different from R^3 , R^4 and a .

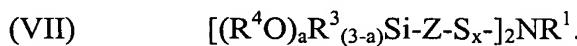
15. (Currently Amended) The tire according to claim 14, wherein the silane satisfies the formula:



in which the groupings Z , which may be are identical or different, represent a C_1-C_4 alkylene, the radicals R^3 , R^4 , R^5 and R^6 representing a C_1-C_3 alkyl.

16. (Currently Amended) The tire according to claim 15, wherein Z is propylene, and R^3 , R^4 , R^5 and R^6 are selected from the group consisting of methyl and ethyl.

17. (Previously Presented) The tire according to claim 14, wherein the silane satisfies the symmetrical formula:

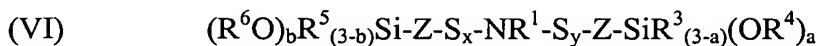


18. (Currently Amended) The tire according to claim 17, wherein Z is propylene, and R^3 , R^4 , R^5 and R^6 are selected from the group consisting of methyl and ethyl.

19. (Previously Presented) The tire according to claim 15, wherein x is an integer or fractional number of from 2 to 3.

20. (Previously Presented) The tire according to claim 19, wherein x is equal to 2.

21. (Currently Amended) The tire according to claim 14, wherein the silane satisfies the formula:



in which the groupings Z, which ~~may be~~ are identical or different, represent a C₁-C₄ alkylene, the radicals R^3 , R^4 , R^5 and R^6 represent a C₁-C₃ alkyl, and y, which ~~may be~~ is identical to or different from x, is an integer or fractional number of from 2 to 4.

22. (Currently Amended) The tire according to claim 21, wherein Z is propylene, and R^3 , R^4 , R^5 and R^6 are selected from the group consisting of methyl and ethyl.

23. (Previously Presented) The tire according to claim 21, wherein x and y are integers or fractional numbers of from 2 to 3.

24. (Previously Presented) The tire according to claim 23, wherein x and y are equal to 2.

25. (Previously Presented) The tire according to claim 14, wherein R^1 is selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, hexyl, benzyl, cyclohexyl and phenyl.

26. (Previously Presented) The tire according to claim 1, wherein the inorganic filler is silica.

27 through 41 (Cancelled).

42. (Previously Presented) The tire according to claim 1 having a tread, wherein said elastomeric composition is present in the tread of the tire.

43. (Previously Presented) The tire according to claim 9 having a tread, wherein said elastomeric composition is present in the tread of the tire.

